

ABSTRACT OF THE DISCLOSURE

A light wave distance-measuring system, comprising a projection optical system having an optical axis of outgoing light and for projecting a measuring light, and a photodetection optical system having an optical axis of a returning light and for receiving a reflection light, wherein the photodetection optical system comprises a light receiving lens for receiving and for converging the reflection light, a light receiving surface where the reflection light enters, and a ring-like perforated multi-focal optical member arranged between the light receiving surface and the light receiving lens and for converging the light to the light receiving surface.